

LTE Omnidirectional Antenna

698-960/1710-2700 MHz, 2/4 dBi

Ventev's 698-2700 MHz, 2/4 dBi omnidirectional surface-mount LTE antenna is designed for outdoor IoT and Mobile networks operating primarily in the 698-960/1710-2700 MHz bands. The antenna's 3/8 in. bushing allows it to insert into reclosers and other standard outdoor enclosures without enlarging the mounting holes. The unterminated leads allow insertion of the two leads through the 3/8 in. hole, and are typically terminated in a workshop or in the field. The two leads provide connections for primary and diversity antenna ports found on many popular cellular modems.



Electrical Specifications

Frequency Bands, MHz	698-960	1700-2700
Polarization	Vertical	
Horizontal Beamwidth	360°	
VSWR	2.5:1	
Gain, dBi	2	4
Max Input Power per Port, Watts	50	
Impedance, Ohm	50	

Mechanical Specifications

Dimensions (H x W)	3.5 x 1.75 in.
Input Connector	2 x 72 in. unterminated RG316 leads
Mounting	Surface mount
Operating Temperature	-40° to +140°F
Ground Plane	Required for optimal performance
Weight	1.50 lbs.

Connector	SKU	MFG Part #
Unterminated	254058	M302004002D1818SG

Features & Benefits

- Omni surface mount antenna covering 698-2700 MHz frequency band
- Designed for outdoor IoT remote monitoring and mobile networks
- The antenna's 3/8 in. bushing allows it to insert into reclosers and other standard outdoor enclosures without enlarging the mounting
- The two leads provide connections for primary and diversity antenna ports found on many popular cellular modems

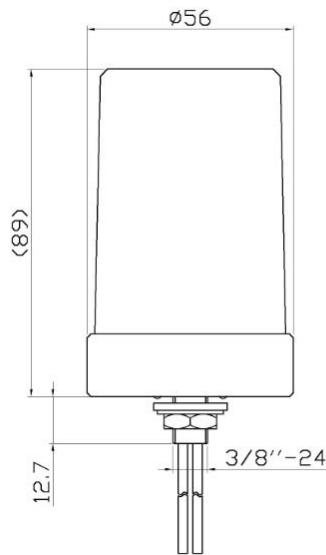
Every Ventev antenna is RoHS compliant and covered by company's 2-year warranty program.

Mounting and Termination Instructions:

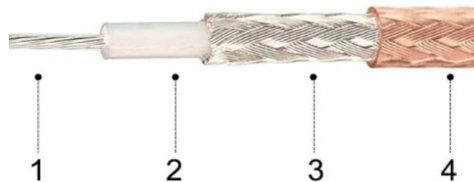
Note: These instructions assume the antenna is being mounted to a flat metal surface.

1. Remove and retain the mounting nut.
2. Lower the 7 ft. leads through the mounting hole.
3. Set the antenna flat on the mounting surface.
4. Install and tighten the mounting nut on the underside of the mounting surface.
5. Terminate the connectors (sold separately) onto the antenna leads according to the connector manufacturer's recommendations.

Optional: Place a small bead of silicone sealant around the edge of the antenna where it sits atop the mounting surface.

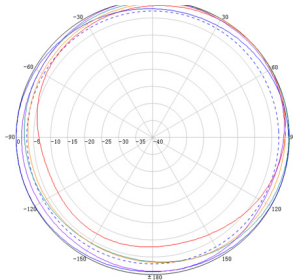


RG316 Cable Specification:

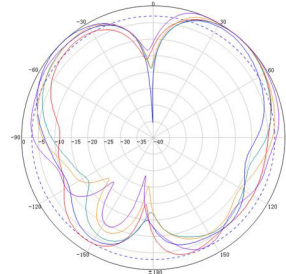


1	Inner Conductor (stranded 7/0.17 mm.)	ø 0.02 in. (0.51 mm.)	Silver plated, copper clad steel
2	Insulation or Dielectric	ø 0.06 in. (1.52 mm.)	PTFE
3	Shield	ø 0.077 in. (1.95 mm.)	Silver plated, copper braid
4	Outer Jacket	ø 0.098 in. (2.5 mm.)	FEP (transparent clear or transparent brown)

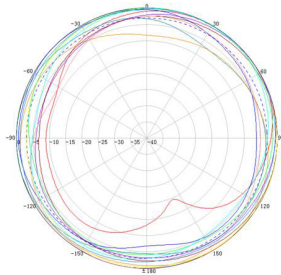
Port 1



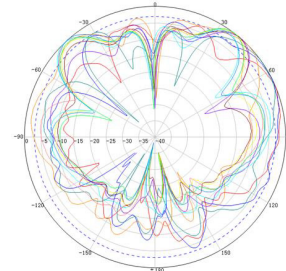
H Plane 698-960 MHz



H Plane 698-960 MHz

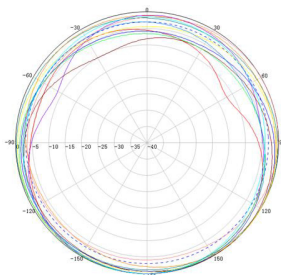


H Plane 1700-2700 MHz

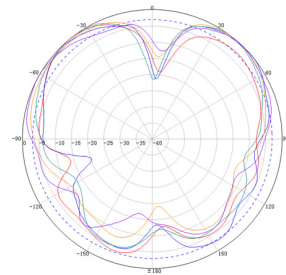


H Plane 1700-2700 MHz

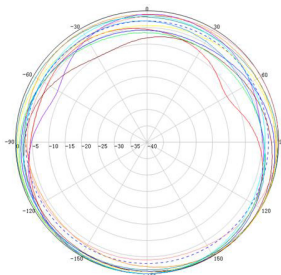
Port 2



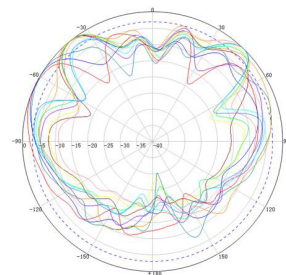
H Plane 698-960 MHz



E Plane 698-960 MHz



H Plane 1700-2700 MHz



E Plane 1700-2700 MHz